

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Appln. Of: FERRAND et al.

Serial No.: 09/582,256

Filed: June 22, 2000

For: PASSIVE Q-SWITCHED MICROLASER WITH CONTROLLED...

Group: 2828

Examiner: JEFFREY N. ZAHN

DOCKET: Brev 12923

Assistant Commissioner of Patents & Trademarks
Washington, D.C. 20231

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MAR 28 2003

TECHNOLOGY CENTER 280

SUPPLEMENTAL AMENDMENT B UNDER RULE 116

Dear Sir:

Supplementing Amendment B under Rule 116 filed March 17, 2003 in response to the
Final Action mailed December 18, 2002, please amend the Application as follows:

IN THE CLAIMS:

Please amend claim 17 to read as follows:

17. (Thrice Amended) A laser cavity comprising:

a substrate made of a doped or undoped active laser material $Y_3Al_5O_{12}$ (YAG) on which
a monocrystalline layer of saturable absorbent material made of doped YAG is deposited
directly by liquid phase epitaxy, in which said active laser material has a [100] orientation, and
said monocrystalline layer of saturable absorbent material is deposited with the same [100]
orientation;

an entry mirror; and

an exit mirror;

wherein said doped or undoped active laser material YAG, said monocrystalline layer of
saturable absorbent material made of doped YAG deposited directly on said active laser

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March 28, 2003

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TO: Examiner
Jeffrey N. Zahn
(Group 2828)

UNITED STATES
PATENT &
TRADEMARK
OFFICE

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FROM: Norman P. Soloway, Esq.

MESSAGE:

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In re Appln. Of: **FERRAND et al.**
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Received: 1. Supplemental Amendment B under Rule 116 (2 pgs)
2. Marked claims w/cover sheet (2 pgs)

03/28/03 nm

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